

**Luminaire**

Code 90719L812

Name ROFY 60 SQ L0814W286 GCONTROL+ 830 LO

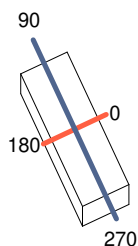
**Measurem.**

Code 9/8/2023

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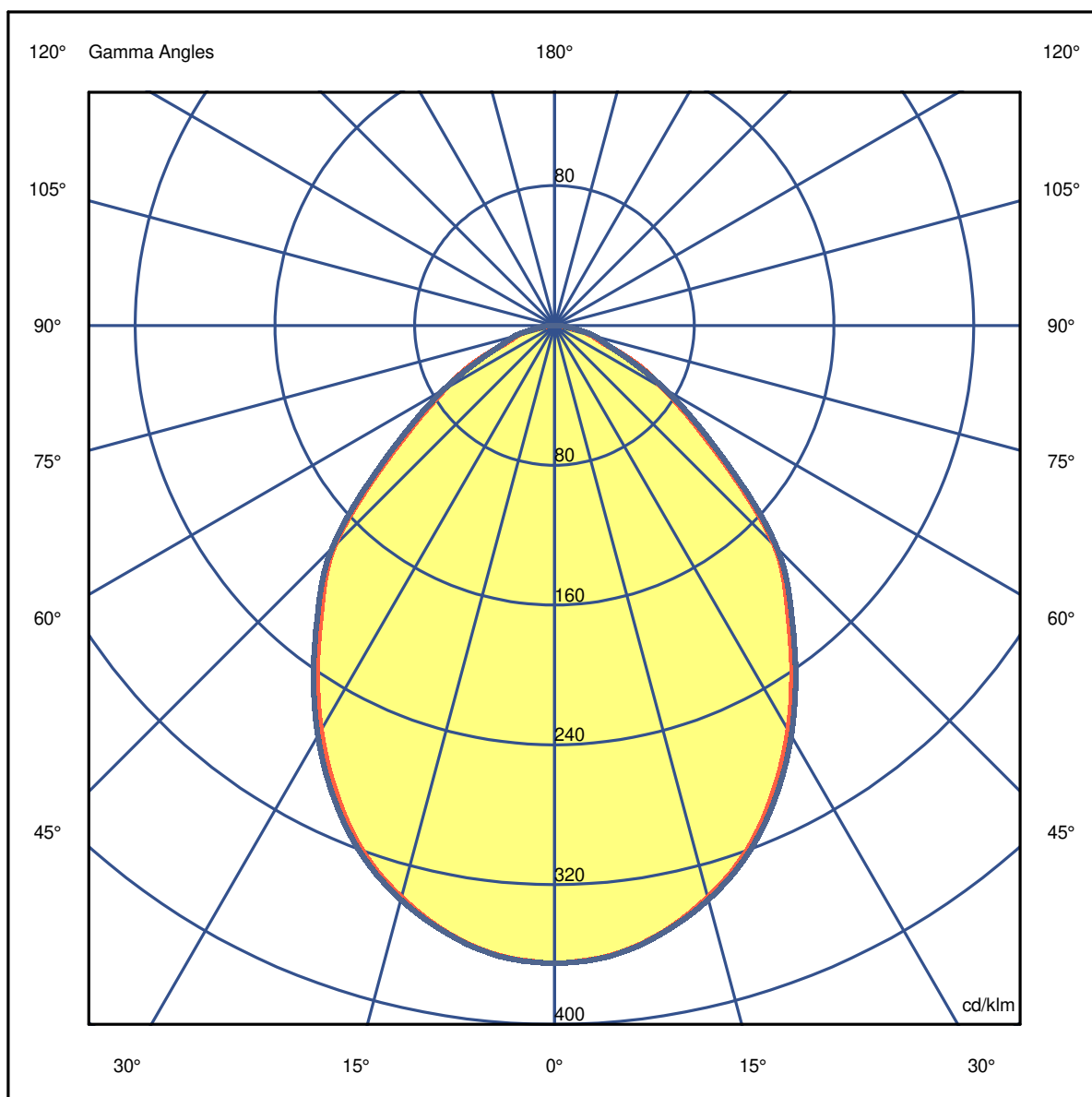
|                |         |                 |               |          |               |            |                    |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 3051 lm | Luminaire Power | 25.7 W        | Efficacy | 118.581 lm/W  | Efficiency | 71.82%             |
| Source Flux    | 4248 lm | Maximum value   | 365.10 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

814mm x 286mm



C Halfplanes

180.0 ————— 0.0  
270.0 ————— 90.0



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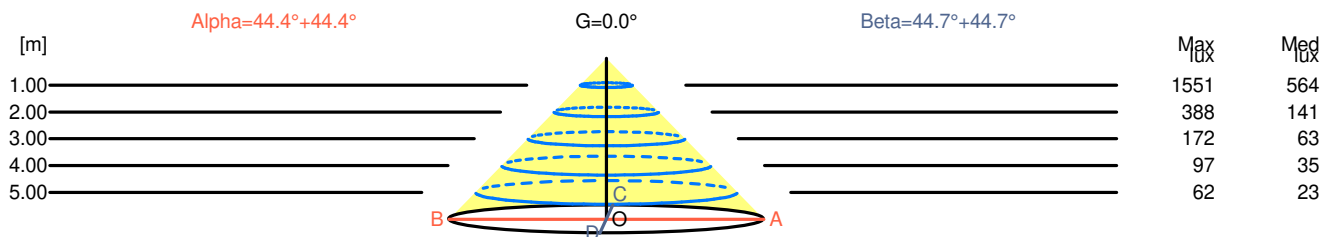
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|                |         |                 |               |          |               |            |                    |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 3051 lm | Luminaire Power | 25.7 W        | Efficacy | 118.581 lm/W  | Efficiency | 71.82%             |
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Width at 50.00 % of Max Intensity

|      |      |      |      |      |      |      |      |      |      |      |      |
|------|------|------|------|------|------|------|------|------|------|------|------|
| H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 | H[m] | 1.00 | 2.00 | 3.00 | 4.00 | 5.00 |
| OA   | 0.98 | 1.96 | 2.93 | 3.91 | 4.89 | OC   | 0.99 | 1.98 | 2.97 | 3.95 | 4.94 |
| OB   | 0.98 | 1.96 | 2.93 | 3.91 | 4.89 | OD   | 0.99 | 1.98 | 2.97 | 3.95 | 4.94 |

|    | 0       | 5       | 15      | 25      | 35      | 45     | 55     | 65     | 75     | 85    |
|----|---------|---------|---------|---------|---------|--------|--------|--------|--------|-------|
| OA | 1550.94 | 1537.78 | 1439.22 | 1255.71 | 1005.93 | 756.99 | 414.18 | 219.20 | 95.16  | 24.21 |
| OB | 1550.94 | 1537.78 | 1439.22 | 1255.71 | 1005.93 | 756.99 | 414.18 | 219.20 | 95.16  | 24.21 |
| OC | 1550.94 | 1539.05 | 1445.17 | 1269.30 | 1022.07 | 765.91 | 429.47 | 206.88 | 101.10 | 27.19 |
| OD | 1550.94 | 1539.05 | 1445.17 | 1269.30 | 1022.07 | 765.91 | 429.47 | 206.88 | 101.10 | 27.19 |



| H[m] | D[m] | Max lux | Med lux | Alpha=44.4°+44.4° | G=0.0 |
|------|------|---------|---------|-------------------|-------|
| 1.00 | 1.96 | 1551    | 564     |                   |       |
| 2.00 | 3.91 | 388     | 141     |                   |       |
| 3.00 | 5.87 | 172     | 63      |                   |       |
| 4.00 | 7.83 | 97      | 35      |                   |       |
| 5.00 | 9.78 | 62      | 23      |                   |       |

| H[m] | D[m] | Max lux | Med lux | Beta=44.7°+44.7° | G=0.0 |
|------|------|---------|---------|------------------|-------|
| 1.00 | 1.98 | 1551    | 564     |                  |       |
| 2.00 | 3.95 | 388     | 141     |                  |       |
| 3.00 | 5.93 | 172     | 63      |                  |       |
| 4.00 | 7.91 | 97      | 35      |                  |       |
| 5.00 | 9.89 | 62      | 23      |                  |       |

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|                |         |                 |               |          |               |            |                    |
|----------------|---------|-----------------|---------------|----------|---------------|------------|--------------------|
| Luminaire Flux | 3051 lm | Luminaire Power | 25.7 W        | Efficacy | 118.581 lm/W  | Efficiency | 71.82%             |
| Source Flux    | 4248 lm | Maximum value   | 365.10 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

**UGR**  
S = 0.250

| Reflectancies   |              |      |      |      |      |                |      |      |      |      |
|-----------------|--------------|------|------|------|------|----------------|------|------|------|------|
| Ceiling/Cavity  | 0.7          | 0.7  | 0.5  | 0.5  | 0.3  | 0.7            | 0.7  | 0.5  | 0.5  | 0.3  |
| Walls           | 0.5          | 0.3  | 0.5  | 0.3  | 0.3  | 0.5            | 0.3  | 0.5  | 0.3  | 0.3  |
| Working Plane   | 0.2          | 0.2  | 0.2  | 0.2  | 0.2  | 0.2            | 0.2  | 0.2  | 0.2  | 0.2  |
| Room Dimensions |              |      |      |      |      |                |      |      |      |      |
| Room Dimensions | Lateral View |      |      |      |      | Viewed Endwise |      |      |      |      |
|                 | 15.1         | 16.3 | 15.4 | 16.5 | 16.7 | 15.7           | 16.8 | 15.9 | 17.0 | 17.2 |
| x=2H y=2H       | 15.1         | 16.3 | 15.4 | 16.5 | 16.7 | 15.7           | 16.8 | 15.9 | 17.0 | 17.2 |
| x=2H y=3H       | 15.6         | 16.7 | 16.0 | 16.9 | 17.2 | 16.3           | 17.3 | 16.6 | 17.5 | 17.8 |
| x=2H y=4H       | 15.8         | 16.8 | 16.1 | 17.0 | 17.3 | 16.5           | 17.4 | 16.8 | 17.7 | 18.0 |
| x=2H y=6H       | 15.9         | 16.8 | 16.3 | 17.1 | 17.4 | 16.7           | 17.6 | 17.0 | 17.8 | 18.2 |
| x=2H y=8H       | 15.9         | 16.8 | 16.3 | 17.1 | 17.4 | 16.7           | 17.6 | 17.1 | 17.9 | 18.2 |
| x=2H y=12H      | 15.9         | 16.7 | 16.3 | 17.0 | 17.4 | 16.7           | 17.5 | 17.1 | 17.8 | 18.2 |
| x=4H y=2H       | 15.2         | 16.2 | 15.6 | 16.5 | 16.8 | 15.7           | 16.7 | 16.1 | 17.0 | 17.3 |
| x=4H y=3H       | 15.9         | 16.7 | 16.3 | 17.0 | 17.4 | 16.5           | 17.3 | 16.8 | 17.6 | 17.9 |
| x=4H y=4H       | 16.2         | 16.9 | 16.6 | 17.2 | 17.6 | 16.8           | 17.5 | 17.2 | 17.9 | 18.2 |
| x=4H y=6H       | 16.4         | 17.0 | 16.8 | 17.4 | 17.8 | 17.1           | 17.7 | 17.5 | 18.1 | 18.5 |
| x=4H y=8H       | 16.4         | 17.0 | 16.8 | 17.4 | 17.8 | 17.2           | 17.8 | 17.6 | 18.1 | 18.5 |
| x=4H y=12H      | 16.4         | 16.9 | 16.9 | 17.3 | 17.8 | 17.3           | 17.8 | 17.7 | 18.2 | 18.6 |
| x=8H y=4H       | 16.3         | 16.8 | 16.7 | 17.2 | 17.6 | 16.9           | 17.4 | 17.3 | 17.8 | 18.2 |
| x=8H y=6H       | 16.5         | 17.0 | 17.0 | 17.4 | 17.8 | 17.2           | 17.7 | 17.7 | 18.1 | 18.6 |
| x=8H y=8H       | 16.6         | 17.0 | 17.1 | 17.4 | 17.9 | 17.4           | 17.8 | 17.8 | 18.2 | 18.7 |
| x=8H y=12H      | 16.6         | 17.0 | 17.2 | 17.5 | 18.0 | 17.5           | 17.8 | 18.0 | 18.3 | 18.8 |
| x=12H y=4H      | 16.3         | 16.8 | 16.7 | 17.2 | 17.6 | 16.8           | 17.4 | 17.3 | 17.7 | 18.2 |
| x=12H y=6H      | 16.5         | 16.9 | 17.0 | 17.4 | 17.8 | 17.2           | 17.6 | 17.7 | 18.1 | 18.5 |
| x=12H y=8H      | 16.6         | 17.0 | 17.1 | 17.5 | 17.9 | 17.4           | 17.7 | 17.9 | 18.2 | 18.7 |

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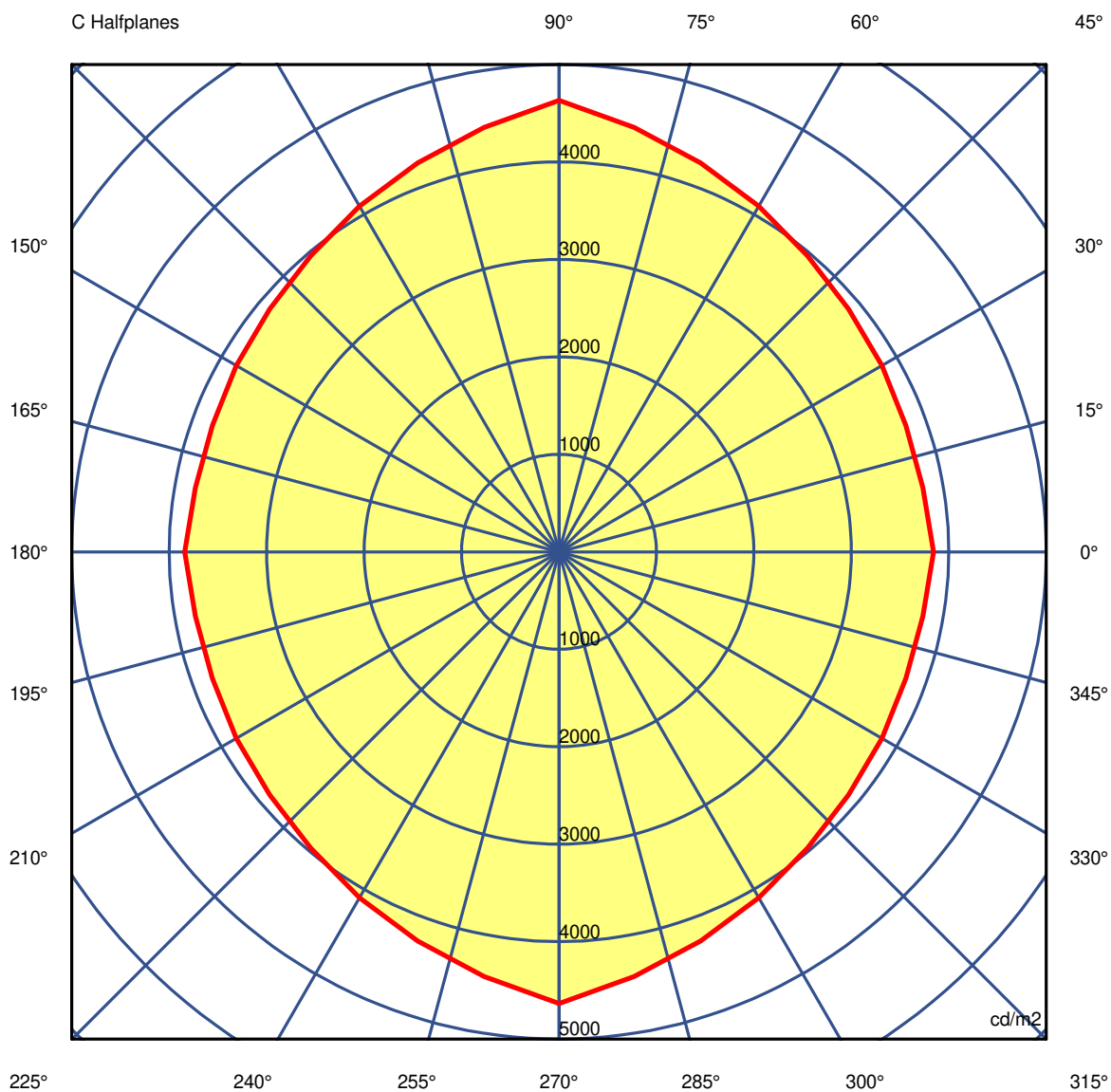
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|                |         |                 |               |          |               |                       |        |
|----------------|---------|-----------------|---------------|----------|---------------|-----------------------|--------|
| Luminaire Flux | 3051 lm | Luminaire Power | 25.7 W        | Efficacy | 118.581 lm/W  | Efficiency            | 71.82% |
| Source Flux    | 4248 lm | Maximum value   | 365.10 cd/klm | Position | C=0.00 G=0.00 | CG Double Symmetrical |        |

Luminance



45.0°

**Luminaire**

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**Measurement.**

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Name ROFY 60 SQ L0814W286 GCONTROL+ 830 LO

|                                |         |         |                 |         |               |         |          |         |               |         |            |          |                    |  |
|--------------------------------|---------|---------|-----------------|---------|---------------|---------|----------|---------|---------------|---------|------------|----------|--------------------|--|
| Luminaire Flux                 | 3051 lm |         | Luminaire Power |         | 25.7 W        |         | Efficacy |         | 118.581 lm/W  |         | Efficiency |          | 71.82%             |  |
| Source Flux                    | 4248 lm |         | Maximum value   |         | 365.10 cd/klm |         | Position |         | C=0.00 G=0.00 |         | CG         |          | Double Symmetrical |  |
| Luminance cd/m2      Table 1/3 |         |         |                 |         |               |         |          |         |               |         |            |          |                    |  |
|                                | C 0.00  | C 10.00 | C 20.00         | C 30.00 | C 40.00       | C 50.00 | C 60.00  | C 70.00 | C 80.00       | C 90.00 | C 100.00   | C 110.00 | C 120.00           |  |
| G 0.0                          | 7343    | 7343    | 7343            | 7343    | 7343          | 7343    | 7343     | 7343    | 7343          | 7343    | 7343       | 7343     | 7343               |  |
| G 5.0                          | 7110    | 7096    | 7095            | 7104    | 7113          | 7128    | 7151     | 7178    | 7210          | 7247    | 7210       | 7178     | 7151               |  |
| G 10.0                         | 6825    | 6806    | 6802            | 6813    | 6835          | 6866    | 6906     | 6962    | 7023          | 7084    | 7023       | 6962     | 6906               |  |
| G 15.0                         | 6498    | 6474    | 6470            | 6483    | 6508          | 6552    | 6617     | 6700    | 6790          | 6886    | 6790       | 6700     | 6617               |  |
| G 20.0                         | 6145    | 6109    | 6092            | 6097    | 6133          | 6191    | 6271     | 6382    | 6509          | 6642    | 6509       | 6382     | 6271               |  |
| G 25.0                         | 5709    | 5676    | 5667            | 5683    | 5725          | 5795    | 5893     | 6019    | 6162          | 6316    | 6162       | 6019     | 5893               |  |
| G 30.0                         | 5243    | 5202    | 5197            | 5231    | 5298          | 5382    | 5479     | 5596    | 5746          | 5928    | 5746       | 5596     | 5479               |  |
| G 35.0                         | 4751    | 4719    | 4723            | 4764    | 4837          | 4928    | 5031     | 5151    | 5304          | 5496    | 5304       | 5151     | 5031               |  |
| G 40.0                         | 4282    | 4253    | 4257            | 4293    | 4358          | 4449    | 4565     | 4705    | 4871          | 5064    | 4871       | 4705     | 4565               |  |
| G 45.0                         | 3841    | 3790    | 3788            | 3825    | 3878          | 3967    | 4097     | 4249    | 4425          | 4633    | 4425       | 4249     | 4097               |  |
| G 50.0                         | 3027    | 3055    | 3091            | 3081    | 3001          | 3103    | 3377     | 3537    | 3654          | 3816    | 3654       | 3537     | 3377               |  |
| G 55.0                         | 2348    | 2540    | 2449            | 2123    | 1901          | 1904    | 2214     | 2808    | 3155          | 3075    | 3155       | 2808     | 2214               |  |
| G 60.0                         | 1859    | 1898    | 1689            | 1405    | 1483          | 1554    | 1618     | 2037    | 2398          | 2491    | 2398       | 2037     | 1618               |  |
| G 65.0                         | 1457    | 1415    | 1279            | 1078    | 1212          | 1282    | 1250     | 1528    | 1805          | 1885    | 1805       | 1528     | 1250               |  |
| G 70.0                         | 946     | 1036    | 1060            | 996     | 899           | 938     | 1125     | 1285    | 1386          | 1454    | 1386       | 1285     | 1125               |  |
| G 75.0                         | 794     | 812     | 775             | 724     | 764           | 809     | 860      | 1014    | 1183          | 1322    | 1183       | 1014     | 860                |  |
| G 80.0                         | 519     | 558     | 586             | 609     | 649           | 703     | 767      | 842     | 912           | 980     | 912        | 842      | 767                |  |
| G 85.0                         | 283     | 332     | 367             | 377     | 374           | 413     | 505      | 594     | 648           | 664     | 648        | 594      | 505                |  |
| G 90.0                         | 44      | 42      | 42              | 43      | 45            | 49      | 56       | 67      | 87            | 132     | 87         | 67       | 56                 |  |

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|-----------------|----------|----------|-----------------|----------|---------------|----------|----------|----------|---------------|----------|------------|----------|--------------------|--|
| Luminaire Flux  | 3051 lm  |          | Luminaire Power |          | 25.7 W        |          | Efficacy |          | 118.581 lm/W  |          | Efficiency |          | 71.82%             |  |
| Source Flux     | 4248 lm  |          | Maximum value   |          | 365.10 cd/klm |          | Position |          | C=0.00 G=0.00 |          | CG         |          | Double Symmetrical |  |
| Luminance cd/m2 |          |          |                 |          |               |          |          |          |               |          |            |          |                    |  |
| Table 2/3       |          |          |                 |          |               |          |          |          |               |          |            |          |                    |  |
|                 | C 130.00 | C 140.00 | C 150.00        | C 160.00 | C 170.00      | C 180.00 | C 190.00 | C 200.00 | C 210.00      | C 220.00 | C 230.00   | C 240.00 | C 250.00           |  |
| G 0.0           | 7343     | 7343     | 7343            | 7343     | 7343          | 7343     | 7343     | 7343     | 7343          | 7343     | 7343       | 7343     | 7343               |  |
| G 5.0           | 7128     | 7113     | 7104            | 7095     | 7096          | 7110     | 7096     | 7095     | 7104          | 7113     | 7128       | 7151     | 7178               |  |
| G 10.0          | 6866     | 6835     | 6813            | 6802     | 6806          | 6825     | 6806     | 6802     | 6813          | 6835     | 6866       | 6906     | 6962               |  |
| G 15.0          | 6552     | 6508     | 6483            | 6470     | 6474          | 6498     | 6474     | 6470     | 6483          | 6508     | 6552       | 6617     | 6700               |  |
| G 20.0          | 6191     | 6133     | 6097            | 6092     | 6109          | 6145     | 6109     | 6092     | 6097          | 6133     | 6191       | 6271     | 6382               |  |
| G 25.0          | 5795     | 5725     | 5683            | 5667     | 5676          | 5709     | 5676     | 5667     | 5683          | 5725     | 5795       | 5893     | 6019               |  |
| G 30.0          | 5382     | 5298     | 5231            | 5197     | 5202          | 5243     | 5202     | 5197     | 5231          | 5298     | 5382       | 5479     | 5596               |  |
| G 35.0          | 4928     | 4837     | 4764            | 4723     | 4719          | 4751     | 4719     | 4723     | 4764          | 4837     | 4928       | 5031     | 5151               |  |
| G 40.0          | 4449     | 4358     | 4293            | 4257     | 4253          | 4282     | 4253     | 4257     | 4293          | 4358     | 4449       | 4565     | 4705               |  |
| G 45.0          | 3967     | 3878     | 3825            | 3788     | 3790          | 3841     | 3790     | 3788     | 3825          | 3878     | 3967       | 4097     | 4249               |  |
| G 50.0          | 3103     | 3001     | 3081            | 3091     | 3055          | 3027     | 3055     | 3091     | 3081          | 3001     | 3103       | 3377     | 3537               |  |
| G 55.0          | 1904     | 1901     | 2123            | 2449     | 2540          | 2348     | 2540     | 2449     | 2123          | 1901     | 1904       | 2214     | 2808               |  |
| G 60.0          | 1554     | 1483     | 1405            | 1689     | 1898          | 1859     | 1898     | 1689     | 1405          | 1483     | 1554       | 1618     | 2037               |  |
| G 65.0          | 1282     | 1212     | 1078            | 1279     | 1415          | 1457     | 1415     | 1279     | 1078          | 1212     | 1282       | 1250     | 1528               |  |
| G 70.0          | 938      | 899      | 996             | 1060     | 1036          | 946      | 1036     | 1060     | 996           | 899      | 938        | 1125     | 1285               |  |
| G 75.0          | 809      | 764      | 724             | 775      | 812           | 794      | 812      | 775      | 724           | 764      | 809        | 860      | 1014               |  |
| G 80.0          | 703      | 649      | 609             | 586      | 558           | 519      | 558      | 586      | 609           | 649      | 703        | 767      | 842                |  |
| G 85.0          | 413      | 374      | 377             | 367      | 332           | 283      | 332      | 367      | 377           | 374      | 413        | 505      | 594                |  |
| G 90.0          | 49       | 45       | 43              | 42       | 42            | 44       | 42       | 42       | 43            | 45       | 49         | 56       | 67                 |  |

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| Source Flux    | 4248 lm | Maximum value   | 365.10 cd/klm | Position | C=0.00 G=0.00 | CG         | Double Symmetrical |

**Luminance cd/m2 Table 3/3**

|        | C 260.00 | C 270.00 | C 280.00 | C 290.00 | C 300.00 | C 310.00 | C 320.00 | C 330.00 | C 340.00 | C 350.00 |
|--------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| G 0.0  | 7343     | 7343     | 7343     | 7343     | 7343     | 7343     | 7343     | 7343     | 7343     | 7343     |
| G 5.0  | 7210     | 7247     | 7210     | 7178     | 7151     | 7128     | 7113     | 7104     | 7095     | 7096     |
| G 10.0 | 7023     | 7084     | 7023     | 6962     | 6906     | 6866     | 6835     | 6813     | 6802     | 6806     |
| G 15.0 | 6790     | 6886     | 6790     | 6700     | 6617     | 6552     | 6508     | 6483     | 6470     | 6474     |
| G 20.0 | 6509     | 6642     | 6509     | 6382     | 6271     | 6191     | 6133     | 6097     | 6092     | 6109     |
| G 25.0 | 6162     | 6316     | 6162     | 6019     | 5893     | 5795     | 5725     | 5683     | 5667     | 5676     |
| G 30.0 | 5746     | 5928     | 5746     | 5596     | 5479     | 5382     | 5298     | 5231     | 5197     | 5202     |
| G 35.0 | 5304     | 5496     | 5304     | 5151     | 5031     | 4928     | 4837     | 4764     | 4723     | 4719     |
| G 40.0 | 4871     | 5064     | 4871     | 4705     | 4565     | 4449     | 4358     | 4293     | 4257     | 4253     |
| G 45.0 | 4425     | 4633     | 4425     | 4249     | 4097     | 3967     | 3878     | 3825     | 3788     | 3790     |
| G 50.0 | 3654     | 3816     | 3654     | 3537     | 3377     | 3103     | 3001     | 3081     | 3091     | 3055     |
| G 55.0 | 3155     | 3075     | 3155     | 2808     | 2214     | 1904     | 1901     | 2123     | 2449     | 2540     |
| G 60.0 | 2398     | 2491     | 2398     | 2037     | 1618     | 1554     | 1483     | 1405     | 1689     | 1898     |
| G 65.0 | 1805     | 1885     | 1805     | 1528     | 1250     | 1282     | 1212     | 1078     | 1279     | 1415     |
| G 70.0 | 1386     | 1454     | 1386     | 1285     | 1125     | 938      | 899      | 996      | 1060     | 1036     |
| G 75.0 | 1183     | 1322     | 1183     | 1014     | 860      | 809      | 764      | 724      | 775      | 812      |
| G 80.0 | 912      | 980      | 912      | 842      | 767      | 703      | 649      | 609      | 586      | 558      |
| G 85.0 | 648      | 664      | 648      | 594      | 505      | 413      | 374      | 377      | 367      | 332      |
| G 90.0 | 87       | 132      | 87       | 67       | 56       | 49       | 45       | 43       | 42       | 42       |